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INFORMATION DISCLOSURE STATEMENT				Atty Dkt: 3501.116		Serial No. 10/032,592	
Title: EFFICIENT SYNTHESIS OF PROTEIN-OLIGONUCLEOTIDE CONJUGATES				Applicant: Firdous Farooqui, <i>et al.</i>			
				Filing Date:		Group Am1641	
U.S. PATENT DOCUMENTS							
Examiner's Initial		Patent Number	Date	Name	Class	Sub-Class	Filing Date
✓ MEC	AA1	4,526,871	7/2/85	Avrameas, <i>et al.</i>	436	504	5/20/81
✓ MEC	ABI	4,683,194	7/28/87	Saiki, <i>et al.</i>	436	6	3/28/85
✓ MEC	ACI	4,683,202	7/28/87	Mullis	435	91	10/25/85
✓ MEC	ADI	4,946,778	8/7/90	Ladner, <i>et al.</i>	435	69.6	1/19/89
✓ MEC	AEI	5,270,184	12/14/93	Walker, <i>et al.</i>	435	91.2	11/19/91
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Sub-Class	Translation Yes/No
✓ MEC	ALI	EP 641,351	10/23/96	EUROPEAN	C07H	15/26	No
✓ MEC	AMI	EP A 320,308	11/3/93	EUROPEAN	C12Q	1/68	No
✓ MEC	ANI	EP A 439,182	4/24/96	EUROPEAN	C12Q	1/68	No
OTHERS, including Author, Title, Date, Pertinent Pages, etc.							
MEC	ARI	f	Bhattacharyya S.P., <i>et al.</i> , "Structural analysis of DNA cleaved in vivo by bacteriophage T4 terminase," <i>Gene</i> 1994 Aug 19;146(1):67-72.				
	AS1		Brandtzaeg, 1973, "Conjugates of immunoglobulin G with different fluorochromes. I. Characterization by anionic-exchange chromatography," <i>Scand. J. Immunol.</i> 1973;2(3):273-90.				
	AT1		Chung E.L., "Chemoprevention of lung cancer by isothiocyanates and their conjugates in A/J mouse," <i>Exp. Lung Res.</i> 2001 Apr-May;27(3):319-30.				
	AR2		Ezaki, T. <i>et al.</i> , "Simple genetic method to identify viridans group streptococci by colorimetric dot hybridization and fluorometric hybridization in microdilution wells," <i>J. Clin. Microbiol.</i> 1988 Sep;26(9):1708-13.				
MEC	AS2		Ghosh SS, <i>et al.</i> , "Use of maleimide-thiol coupling chemistry for efficient syntheses of oligonucleotide-enzyme conjugate hybridization probes," <i>Bioconjug. Chem.</i> 1990 Jan-Feb;1(1):71-6.				
Examiner: <u>May E. Ceperley</u>				Date Considered: <u>08/19/04</u>			
Examiner: Initial if reference/considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.							

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Examiner's Initial		Patent Number	Date	Name	Class	Sub-Class	Filing Date
✓ MEC	AA2	5,316,906	5/31/94	Haugland, <i>et al.</i>	435	4	8/23/91
✓ MEC	AB2	5,427,930	6/27/95	Birkenmeyer, <i>et al.</i>	435	91.52	6/28/91
✓ MEC	AC2	5,443,986	8/22/95	Haughland, <i>et al.</i>	435	4	7/6/93
✓ MEC	AD2	5,455,166	10/3/95	Walker	435	91.2	1/9/92
✓ MEC	AE2	5,552,541	9/3/96	Adams	536	22.1	6/20/90
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Sub-Class	Translation Yes/No
OTHERS, including Author, Title, Date, Pertinent Pages, etc.							
MEC	AT2	Gupta R.K., <i>et al.</i> , "Adjuvants for human vaccines – current status, problems and future prospects," <i>Vaccine</i> 1995 Oct;13(14):1263-76.					
	AR3	Hendrickson, R.E. <i>et al.</i> , <i>Nucl., Acids Res.</i> 23:522-529 (1994).					
	AS3	Kohler, G. & Milstein, C., "Continuous cultures of fused cells secreting antibody of predefined specificity," <i>Nature</i> . 1975 Aug 7;256(5517):495-7.					
	AT3	Kusunoki, S. <i>et al.</i> , "Application of colorimetric microdilution plate hybridization for rapid genetic identification of 22 Mycobacterium species," <i>J. Clin. Microbiol.</i> 1991 Aug;29(8):1596-603.					
✓ MEC	AR4	Loken and Herzenberg, 1975, "Analysis of cell populations with a fluorescence-activated cell sorter," <i>Ann. N.Y. Acad. Sci.</i> 1975 Jun 30;254:163-71.					
Examiner: Mary E. Ceperley				Date Considered 08/19/04			
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U.S. PATENT DOCUMENTS

Examiner's Initial		Patent Number	Date	Name	Class	Sub-Class	Filing Date
✓ MEC	AA3	5,605,800	2/25/97	Kourilsky, et al.	435	6	6/6/95
✓ MEC	AB3	5,648,213	7/15/97	Reddy, et al.	435	6	8/30/94
✓ MEC	AC3	5,698,411	12/16/97	Lucas, et al.	435	29	5/18/95
✓ MEC	AD3	5,733,733	3/31/98	Auerbach	435	6	2/1/96
✓ MEC	AE3	5,854,033	12/29/98	Lizardi	435	91.2	11/21/95

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub-Class	Translation Yes/No

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MEC	AS4	Martin R., et al., "A highly sensitive, nonradioactive DNA labeling and detection system," 13: <i>Biotechniques</i> 1990 Dec;9(6):762-8).
	AT4	Morrison, S. et al., "Chimeric human antibody molecules: mouse antigen-binding domains with human constant region domains," <i>Proc. Natl. Acad. Sci. U S A</i> 1984 Nov;81(21):6851-5.
	AR3	Oi, V. T. & Morrison, S. L., <i>BioTechniques</i> 4:214-221 (1986).
	AS5	Riechmann, L. et al., "Reshaping human antibodies for therapy," <i>Nature</i> 1988 Mar 24;332(6162):323-7.
	AT5	Samoszuk, M.K., et al., "A peroxide-generating immunoconjugate directed to eosinophil peroxidase is cytotoxic to Hodgkin's disease cells in vitro," <i>Antibody, Immunoconjugates Radiopharmaceuticals</i> 2(1), 37-45 (1989).
MEC	AR6	Tramontano, A. et al., "Chemical reactivity at an antibody binding site elicited by mechanistic design of a synthetic antigen," <i>Proc. Natl. Acad. Sci. U S A</i> . 1986 Sep;83(18):6736-40.

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U.S. PATENT DOCUMENTS							
Examiner's Initial		Patent Number	Date	Name	Class	Sub- Class	Filing Date
MEC	AA4	5,876,928	3/2/99	Kourilsky, et al.	435	6	6/6/95
MEC	AB4	5,955,262	9/21/99	Kourilsky, et al.	435	6	9/8/92
MEC	AC4	5,976,822	11/2/99	Landrum, et al.	435	23	8/20/97
MEC	AD4	5,989,823	11/23/99	Jayasena, et al.	435	6	9/18/98
MEC	AE4	6,124,120	9/26/00	Lizardi	435	91.2	10/8/97
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Sub- Class	Trans- lation Yes/No
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MEC	AS6	Tyagi, et al., "Molecular beacons: probes that fluoresce upon hybridization," <i>Nature Biotechnol.</i> 14(3):303-8 (1996).					
MEC	AT6	Wood, C. R. et al., <i>Nature</i> 314:446-449(1985).					
Rajur et al. MEC	AR7	Yarmush, M.L. et al., "Covalent protein-oligonucleotide conjugates for efficient delivery of antisense molecules," <i>Bioconjug Chem.</i> 1997 Nov-Dec;8(6):935-940 (1997).					
MEC	AS7	Zhang T.H., et al., "Detection for anti-hantavirus IgM in patient serum with silver enhanced dot immunogold filtration assay," <i>Zhonghua Shi Yan He Lin Chuang Bing Du Xue Za Zhi</i> 2000 Sep;14(3):266-7.					
	AT7						
	AR8						
Examiner: Mary E. Gerslery				Date Considered 08/19/04			
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U.S. PATENT DOCUMENTS							
Examiner's Initial		Patent Number	Date	Name	Class	Sub- Class	Filing Date
✓ JAA	AA5	6,143,495	11/7/00	Lizardi, <i>et al.</i>	435	6	11/21/96
✓ JAC	AB5	6,180,338	1/30/01	Adams	435	6	5/27/93
✓ WAG	AC5	6,197,513	3/6/01	Coull, <i>et al.</i>	435	6	2/10/99
✓ WAG	AD5	6,207,368	3/27/01	Adams	435	6	10/21/94
✓ WAG	AE5	6,218,152	4/17/01	Auerbach	435	91.2	11/9/98
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Sub- Class	Trans- lation Yes/No
OTHERS, including Author, Title, Date, Pertinent Pages, etc.							
	AS8						
	AT8						
	AR9						
	AS9						
	AT9						
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U.S. PATENT DOCUMENTS							
Examiner's Initial		Patent Number	Date	Name	Class	Sub-Class	Filing Date
✓ MJC	AA6	6,251,621	6/26/01	Lawrence, <i>et al.</i>	435	18	3/17/95
✓ MJC	AB6	6,261,808	7/17/01	Auerbach	435	91.1	9/8/00
✓ MJC	AC6	6,090,552	7/18/00	Nazarenko, <i>et al.</i>	435	6	7/11/97
	AD6						
	AE6						
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Sub-Class	Translation Yes/No
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	AR10						
	AS10						
	AT10						
	AR11						
	AS11						
Examiner: Mary E. Geyer		Date Considered 01/29/04					
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